

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE: August 3, 1976

SUBJECT: Analytical Results - Diamond Head Oil
Refinery, Kearny, N.J.

FROM: F. T. Brezenski *F. T. Brezenski*
Chief, Technical Support Branch

TO: Chief, Emergency Response Branch



EPA Sample No. 37182 collected from a lagoon in the rear of the Diamond Head Oil Refinery in Kearny, N.J. was analyzed by IR spectroscopy and GC/MS. Percent total hydrocarbons were determined by IR spectroscopy using the 2926 cm^{-1} band. No carbonyl bands were present. Percent total hydrocarbon was 41 and the remaining 59% was water. Computerized GC/EIMS indicated that the sample contained a heavy petroleum oil with characteristic paraffin hydrocarbons homologous series plus aromatic hydrocarbons.

